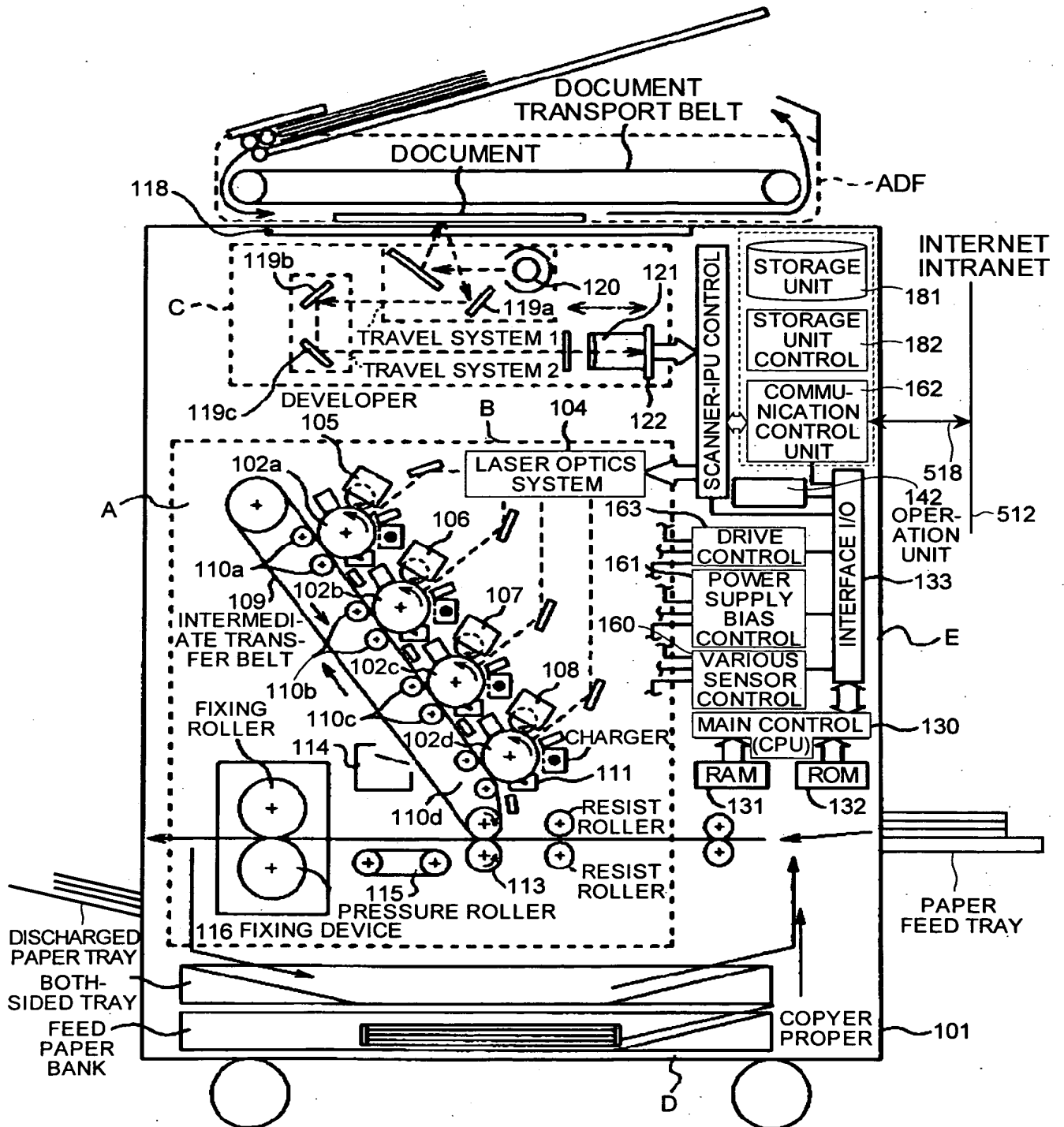


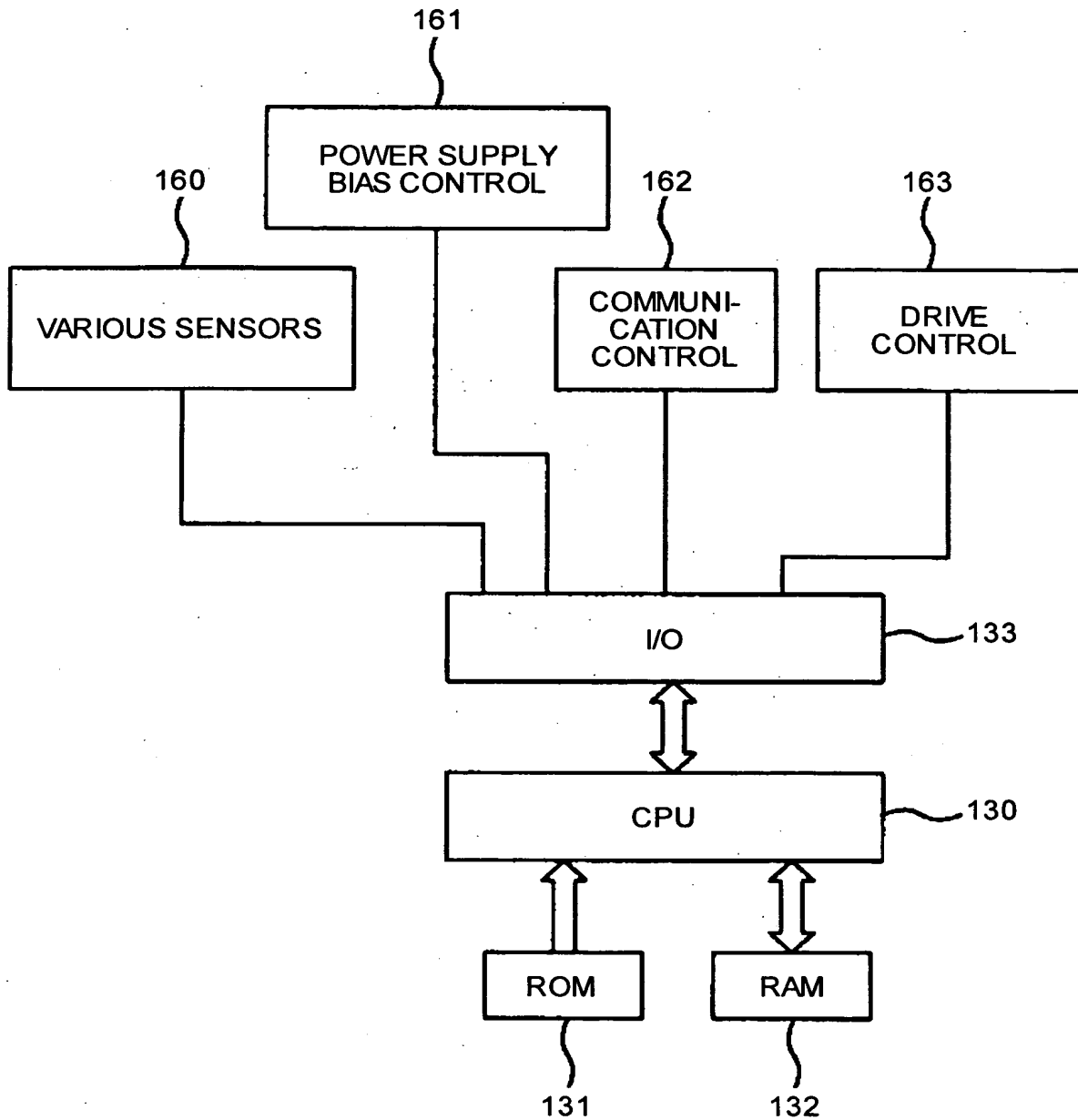
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FIG. 1



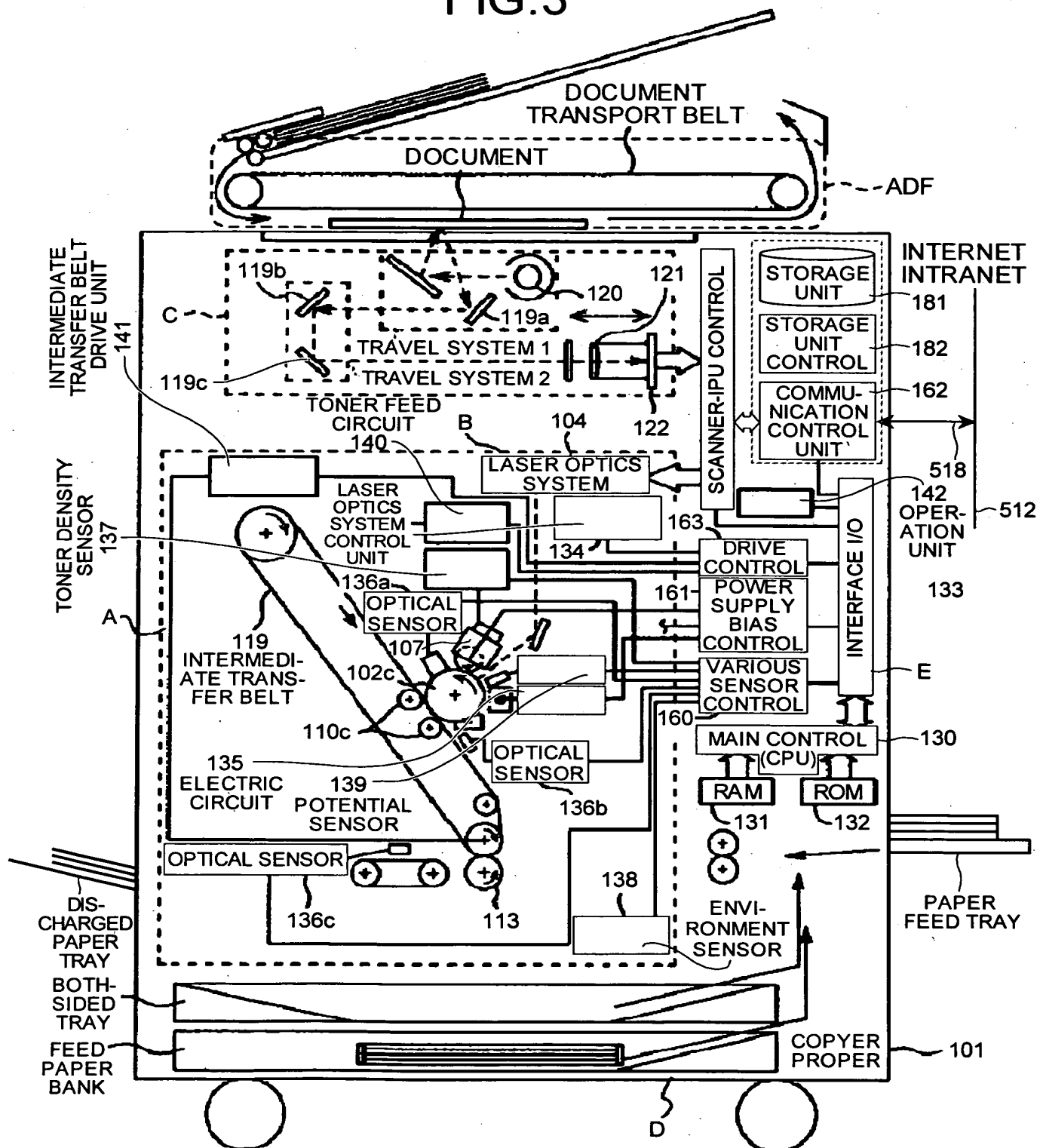
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FIG.2



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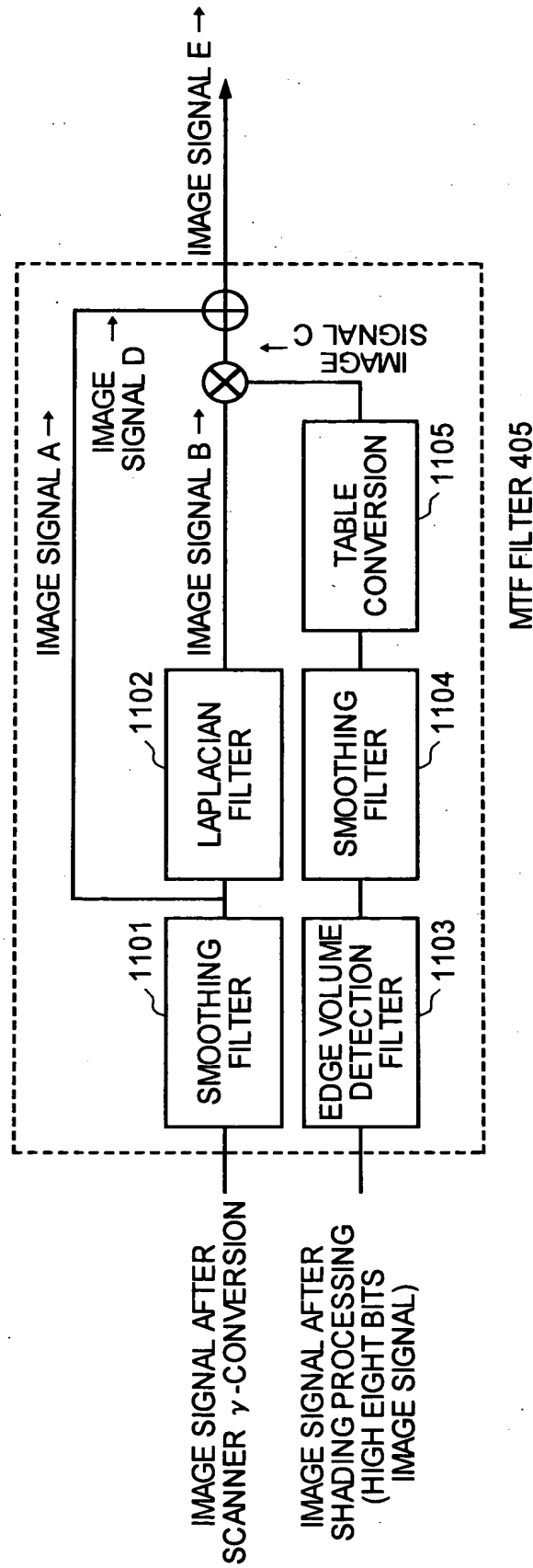
FIG.3





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FIG.5



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FIG.6

(1/18) ×

0	1	2	1	0
1	2	4	2	1
0	1	2	1	0

FIG.7

PLACIAN FILTER

0	-1	0
-1	4	-1
0	-1	0

FIG.8

SLOW-SCAN DIRECTION EDGE DETECTION FILTER

1	1	1	1	1
1	1	1	1	1
0	0	0	0	0
-1	-1	-1	-1	-1
-1	-1	-1	-1	-1

FIG.9

FAST-SCAN DIRECTION EDGE DETECTION FILTER

1	1	0	-1	-1
1	1	0	-1	-1
1	1	0	-1	-1
1	1	0	-1	-1
1	1	0	-1	-1

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## FIG.10

DIAGONAL DIRECTION DETECTION FILTER 1

0	1	1	1	1
1	0	1	1	1
-1	0	0	1	1
-1	-1	-1	0	1
-1	-1	-1	-1	0

## FIG.11

DIAGONAL DIRECTION DETECTION FILTER 2

1	1	1	1	0
1	1	1	0	-1
1	1	0	0	-1
1	0	-1	-1	-1
0	-1	-1	-1	-1

## FIG.12

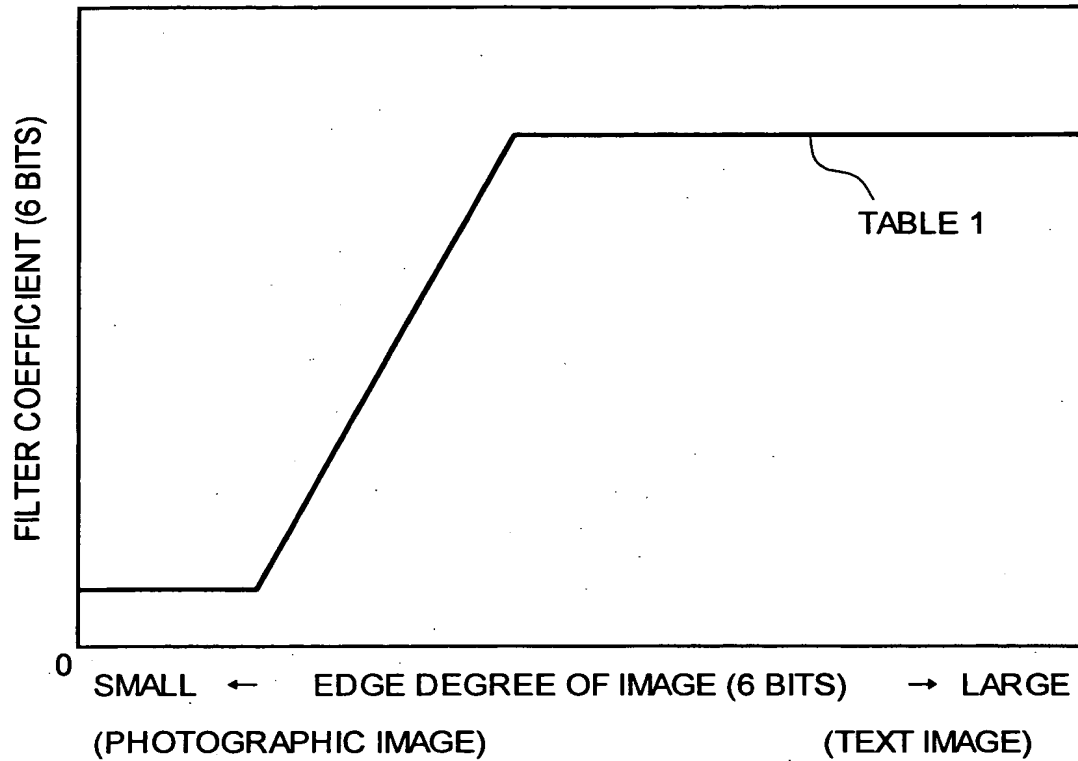
$(1/4) \times$

1	2	1
---	---	---

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FIG.13

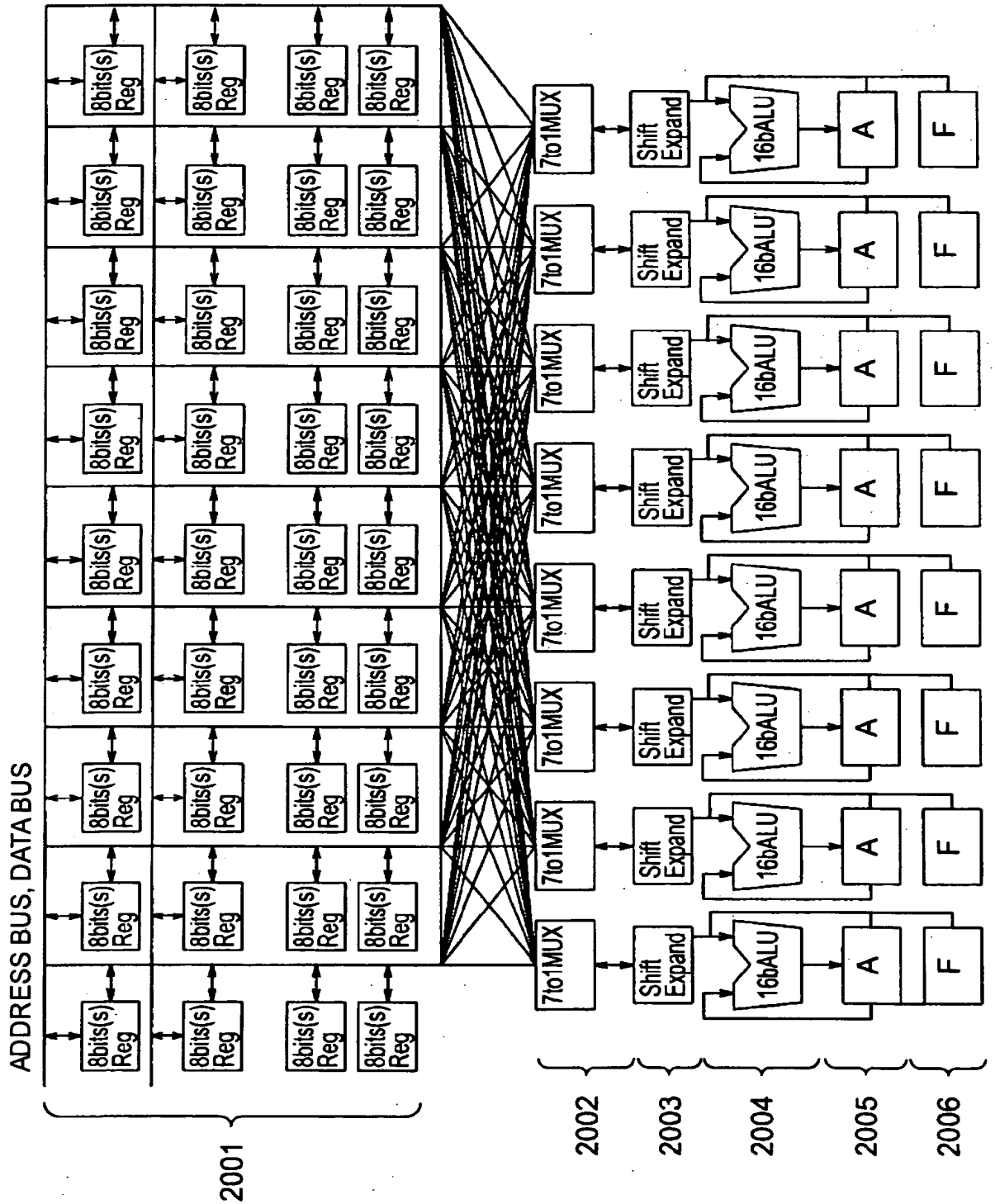
ADAPTIVE EDGE ENHANCEMENT TABLE





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FIG. 14



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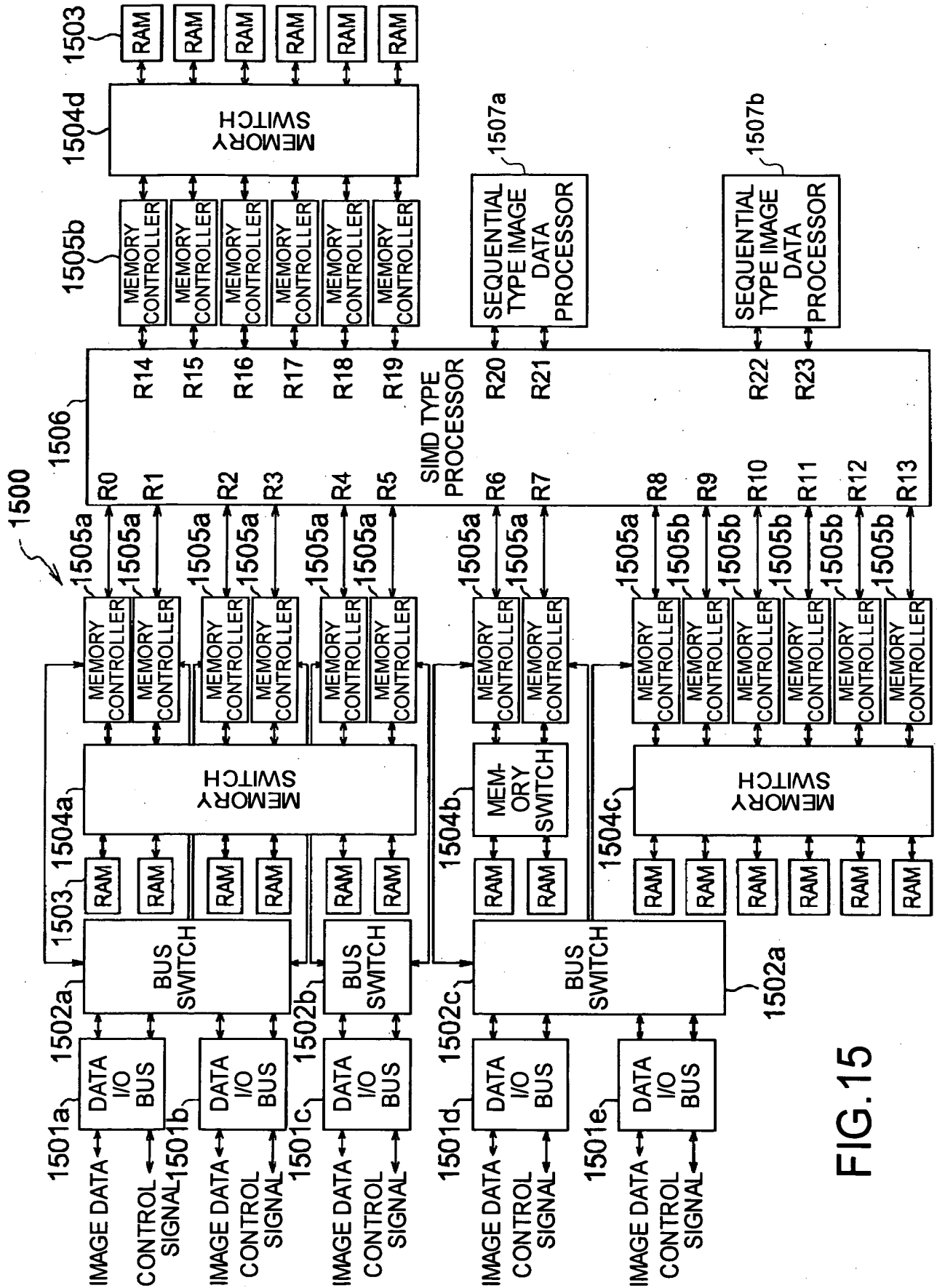
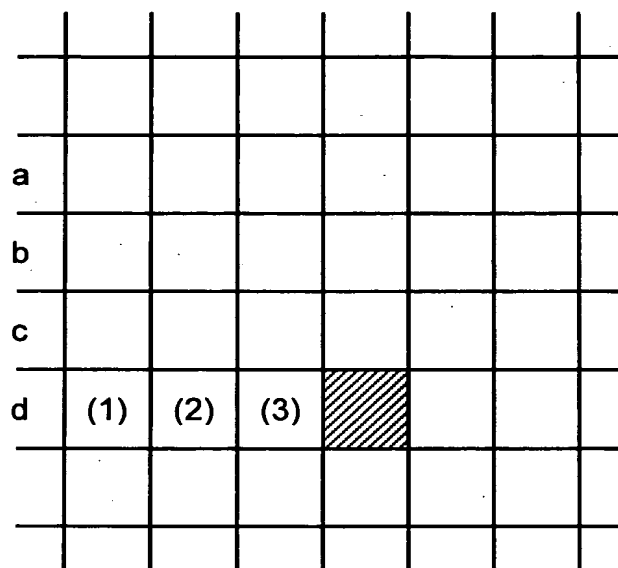


FIG.15

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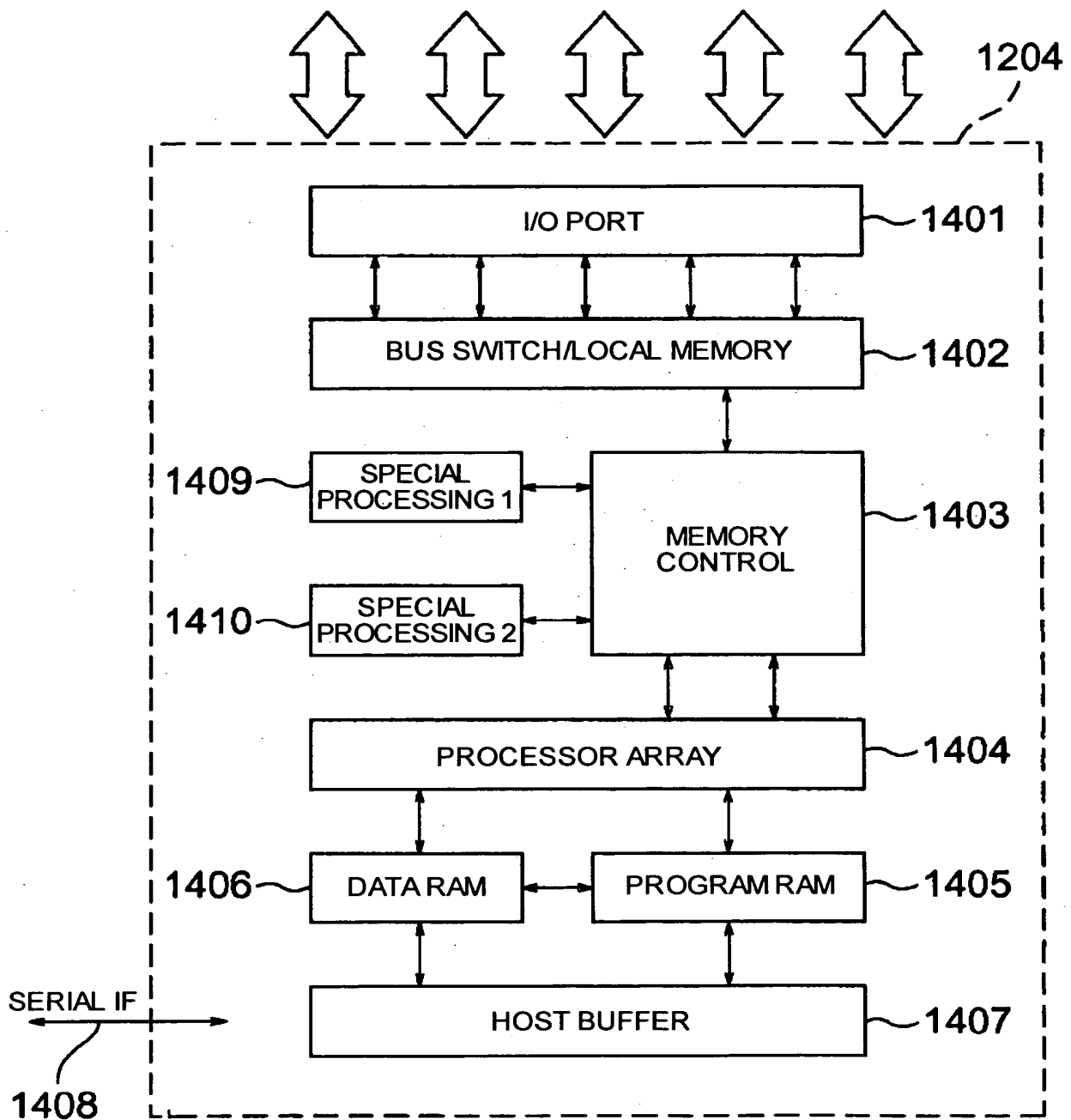
## FIG. 16

POSITIONAL RELATION OF PIXELS



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FIG.17



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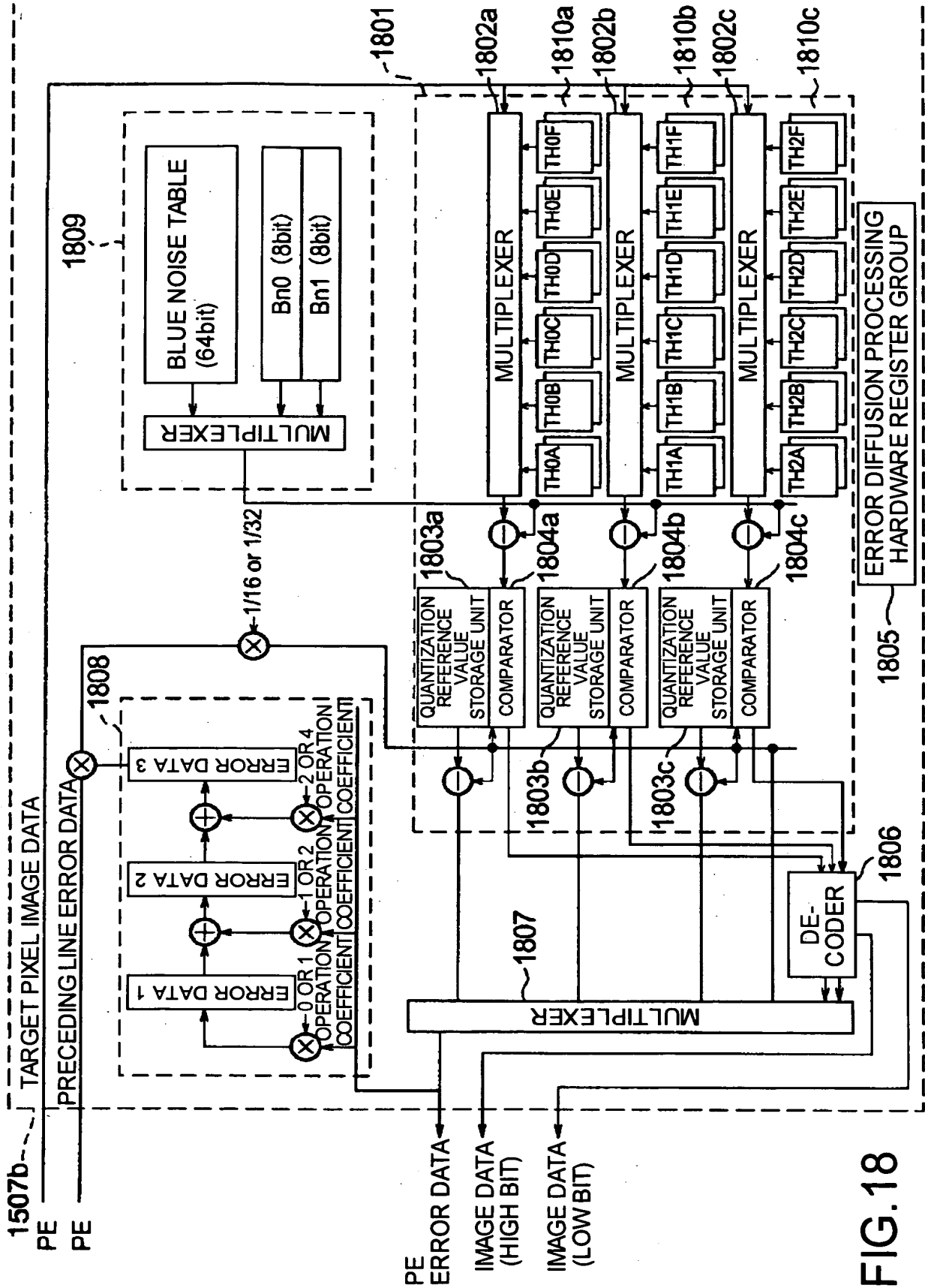


FIG.18

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FIG. 19

CONFIGURATION DIAGRAM OF IIR TYPE FILTER SYSTEM

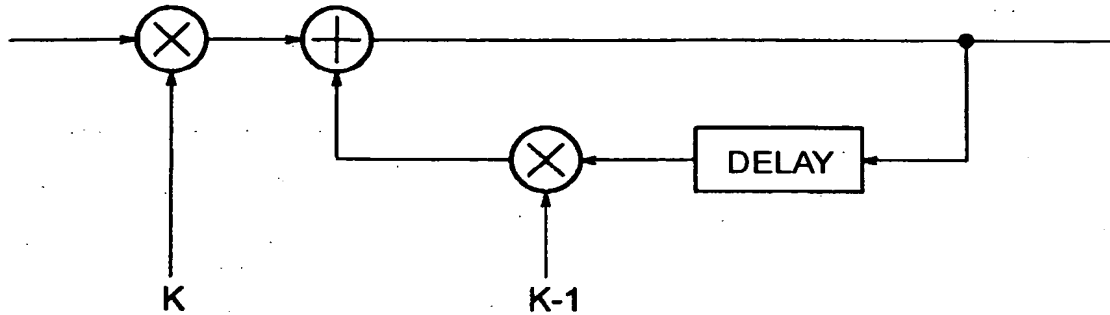
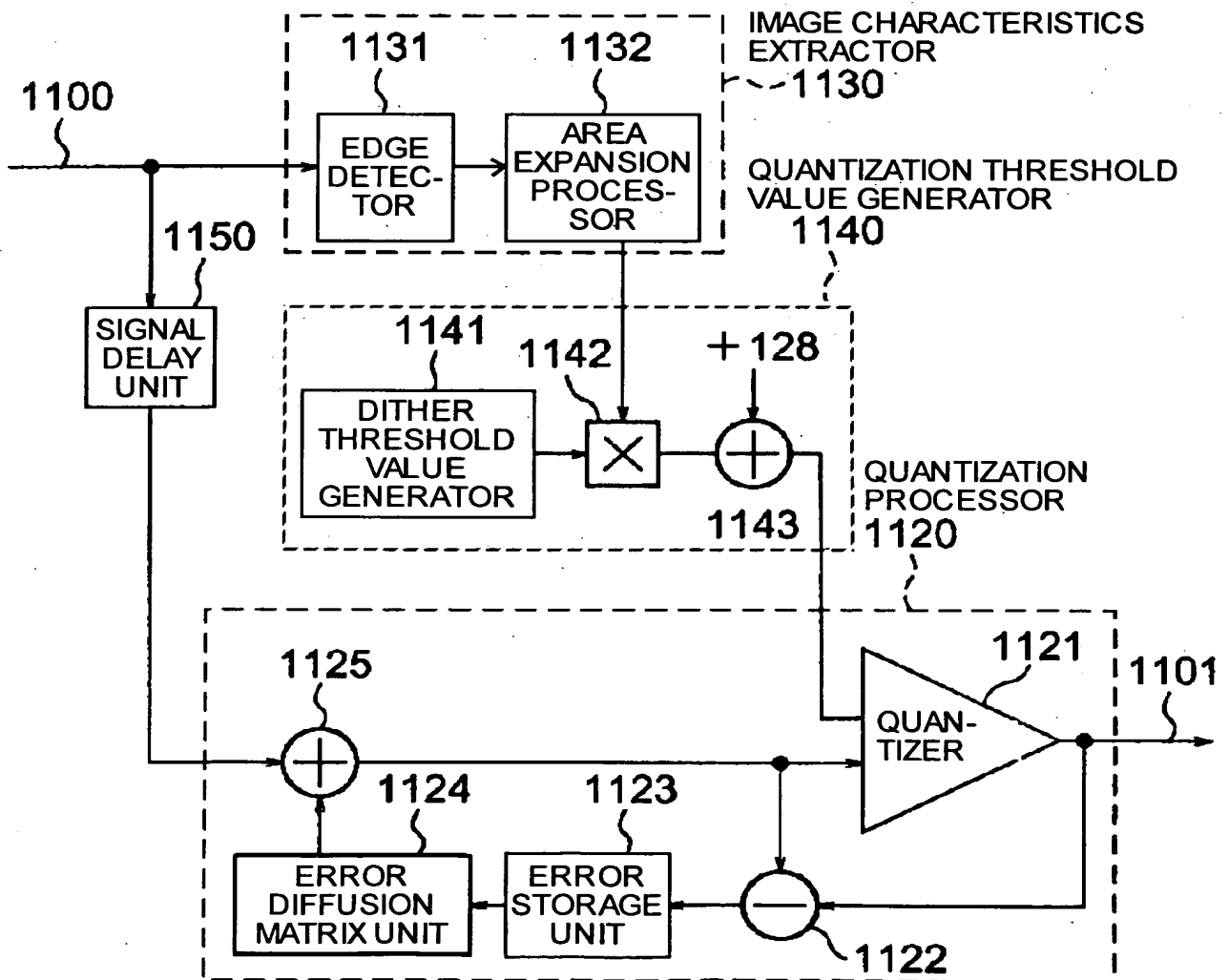
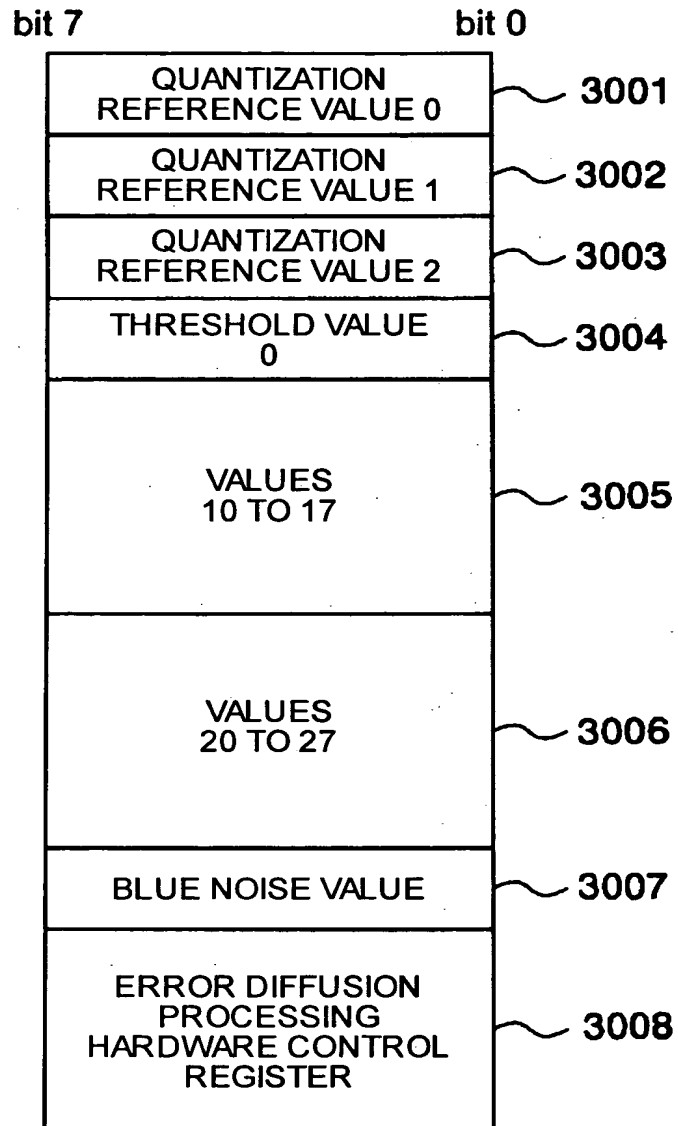


FIG. 20



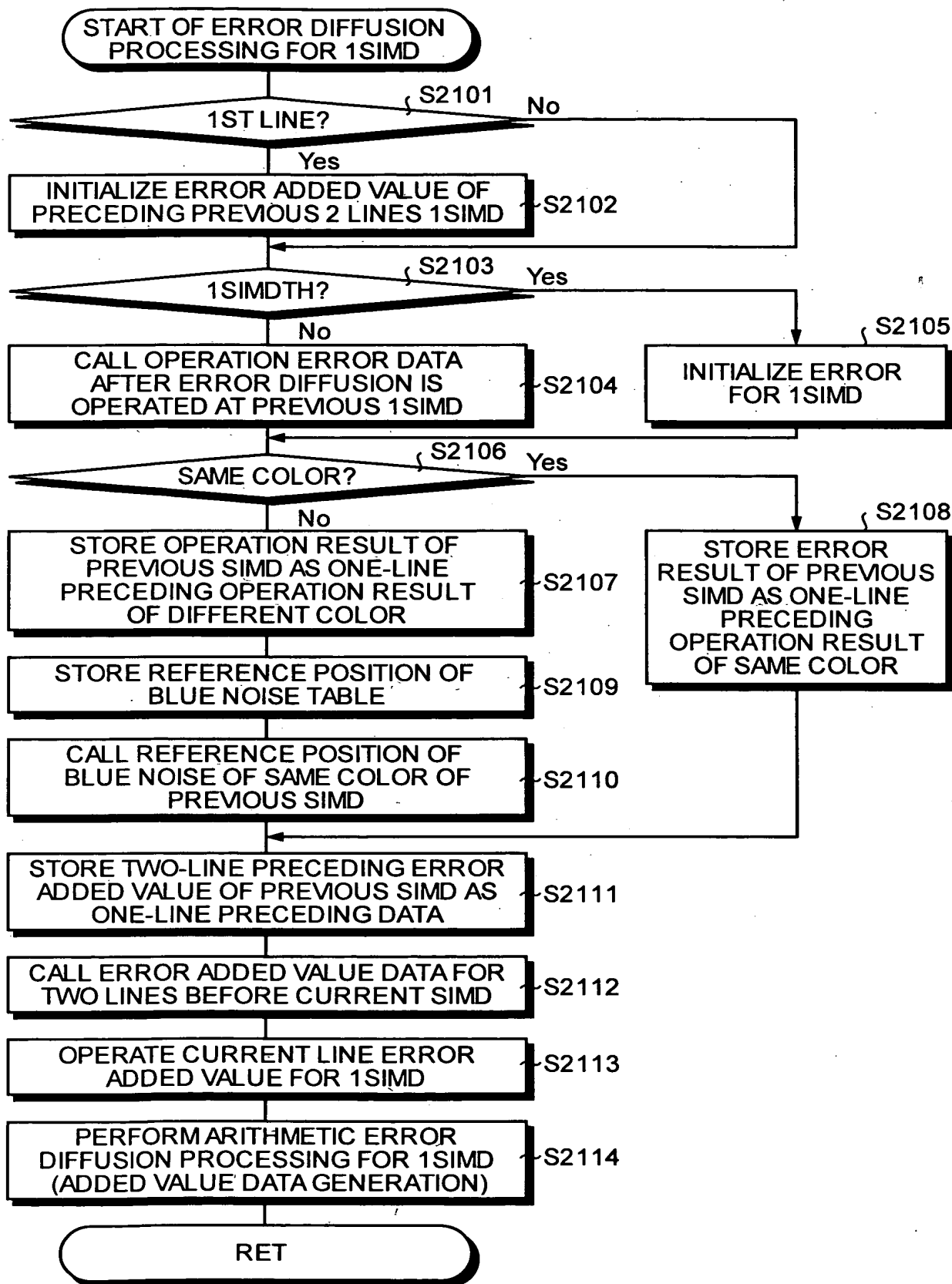
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FIG.21



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FIG.22





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FIG.23

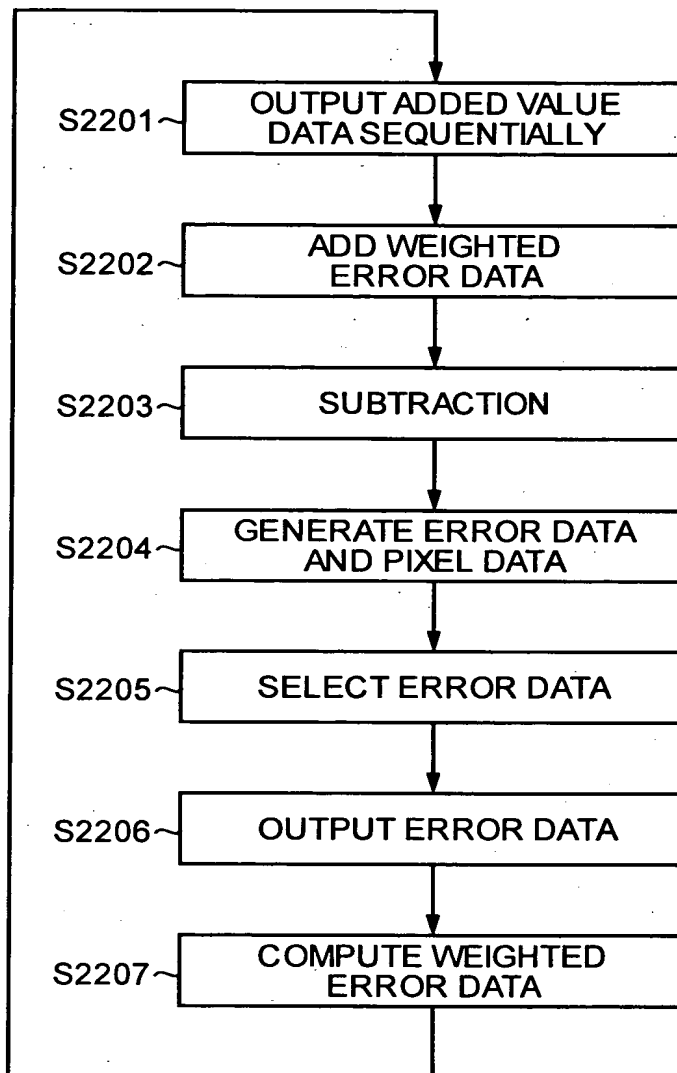
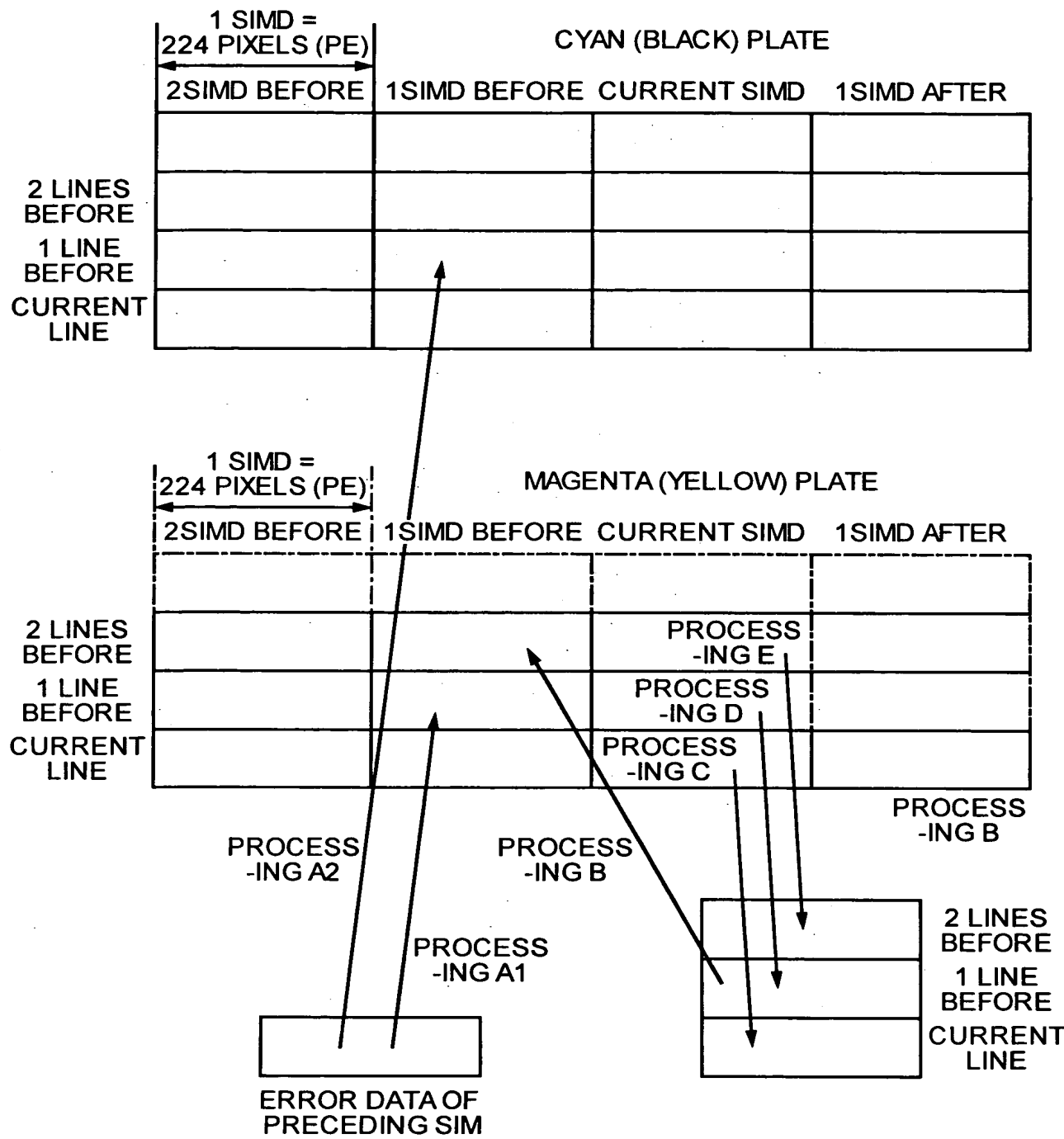


FIG.24



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FIG.25

a	b	c	d	e
f	g	h	i	j
k	l	*		

FIG.26

-1	-1	0	1	1
-1	-1	0	1	1
-1	-1	0	1	1
-1	-1	0	1	1
-1	-1	0	1	1

-1	-1	-1	-1	-1
-1	-1	-1	-1	-1
0	0	0	0	0
1	1	1	1	1
1	1	1	1	1

-1	-1	-1	-1	0
-1	-1	-1	0	1
-1	-1	0	1	1
-1	0	1	1	1
0	1	1	1	1

-1	-1	-1	-1	0
-1	-1	-1	0	1
-1	-1	0	1	1
-1	0	1	1	1
0	1	1	1	1

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FIG.27

4	6	3	2
5	6	1	1
6	3	2	4
6	1	1	5

→ FAST-SCAN DIRECTION

↓  
FAST-SCAN DIRECTION

FIG.28

3	6	5	2
4	6	1	1
6	5	2	3
6	1	1	4

→ FAST-SCAN DIRECTION

↓  
FAST-SCAN DIRECTION

FIG.29

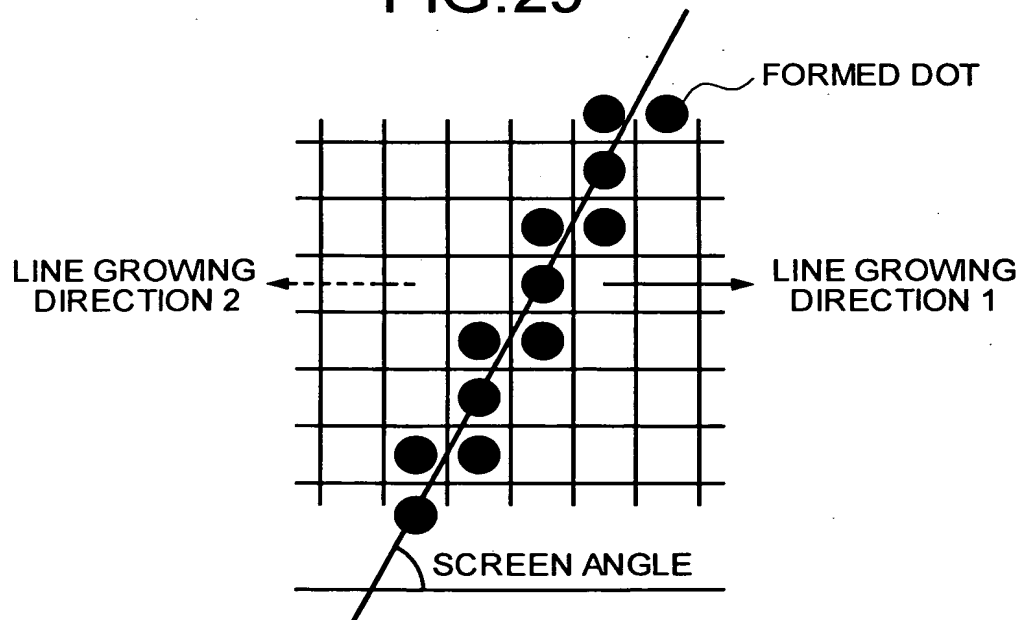


FIG.30

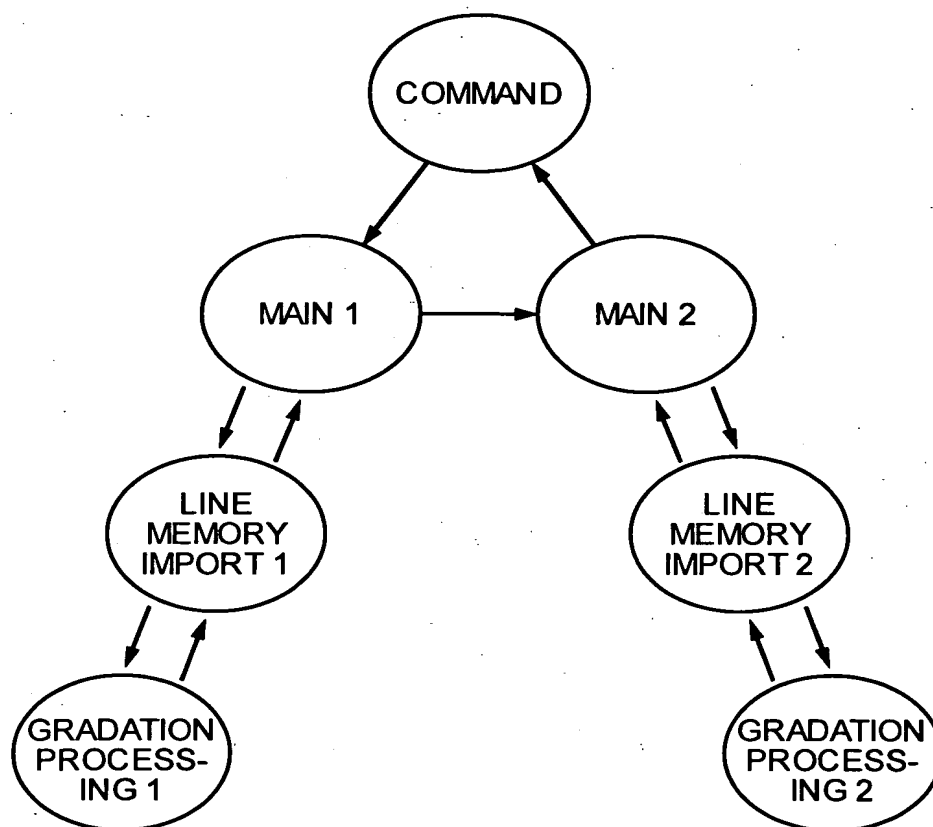
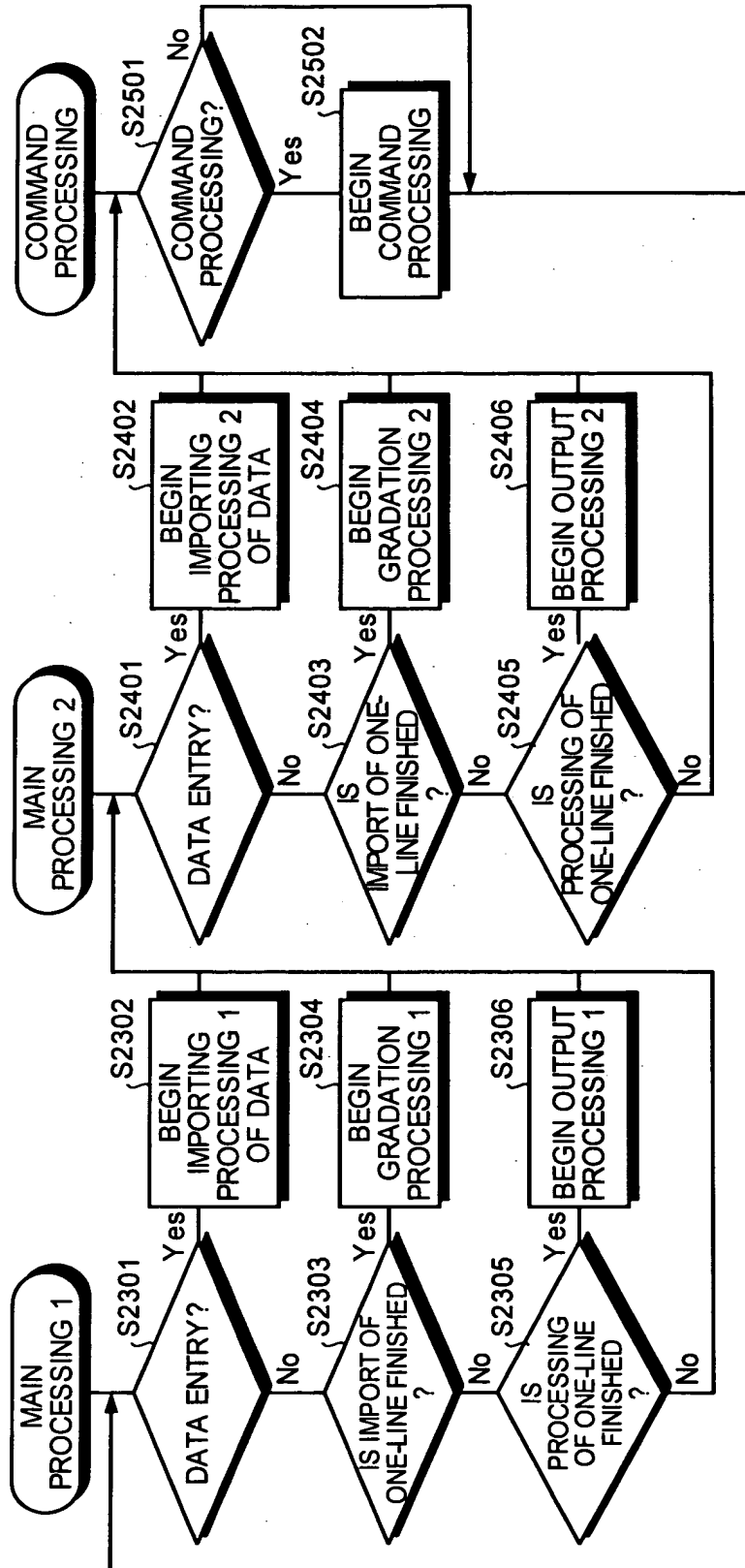


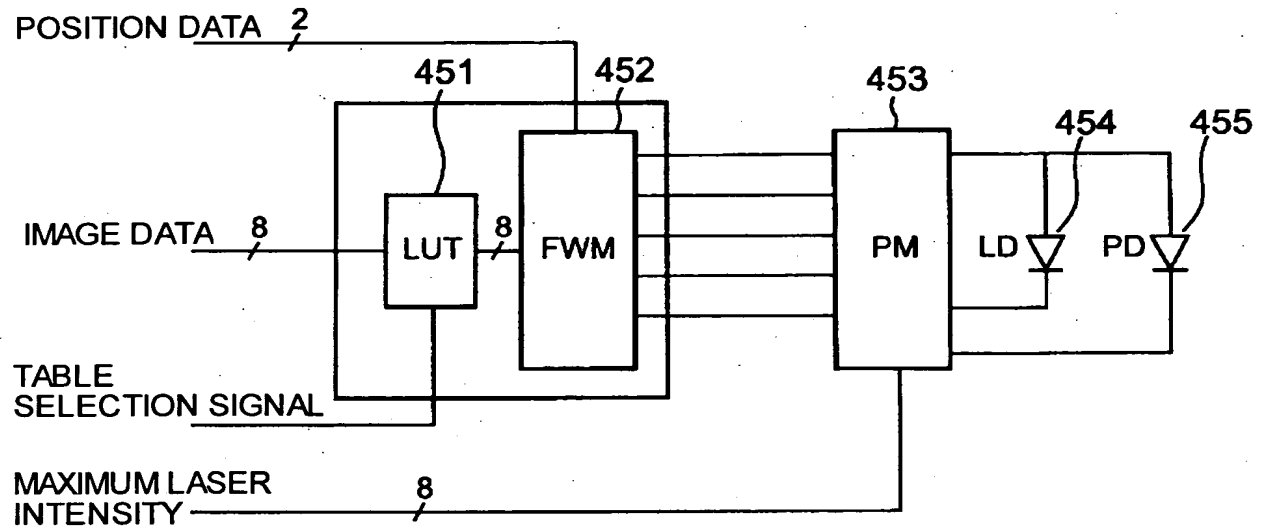
FIG.31





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FIG.33





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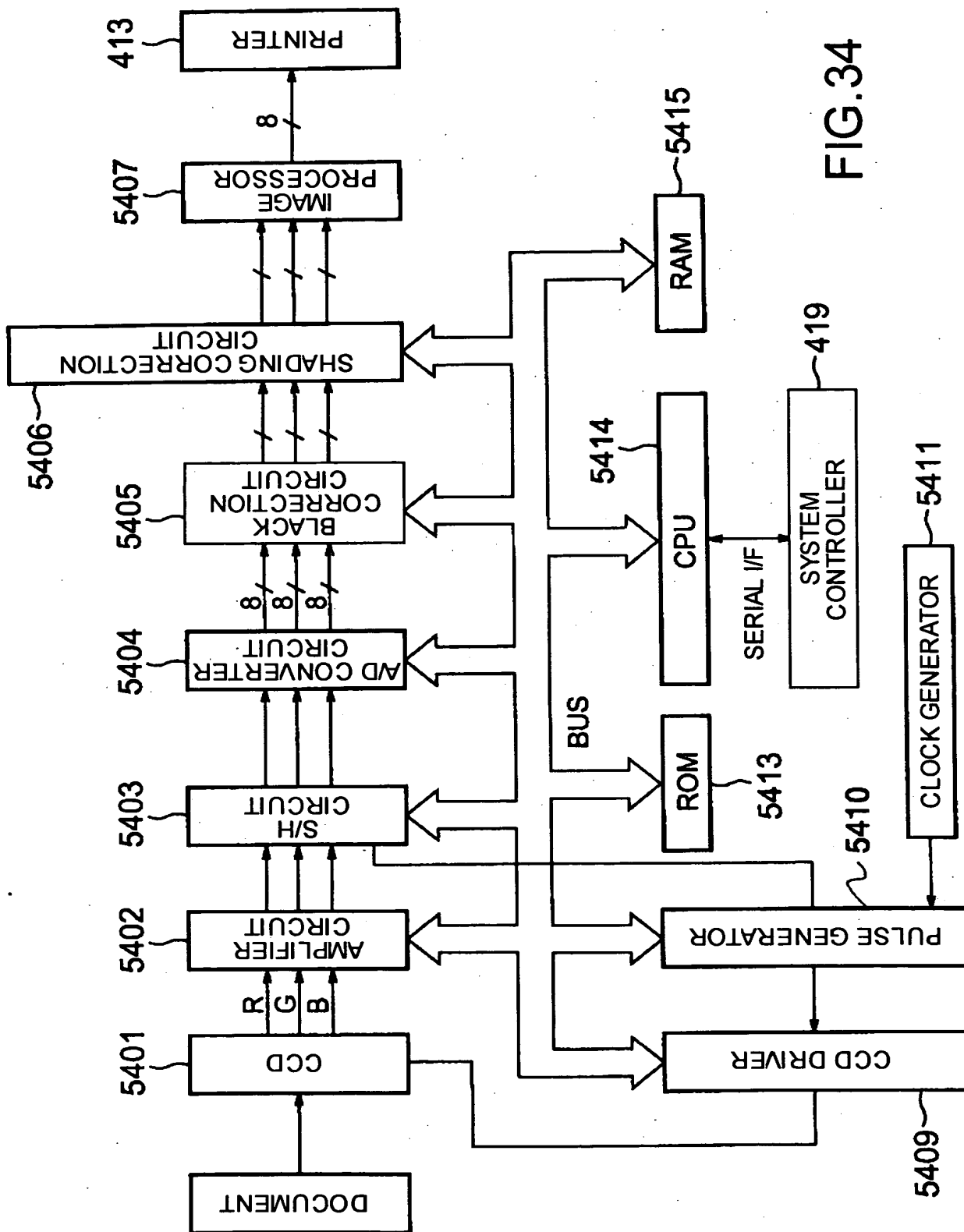
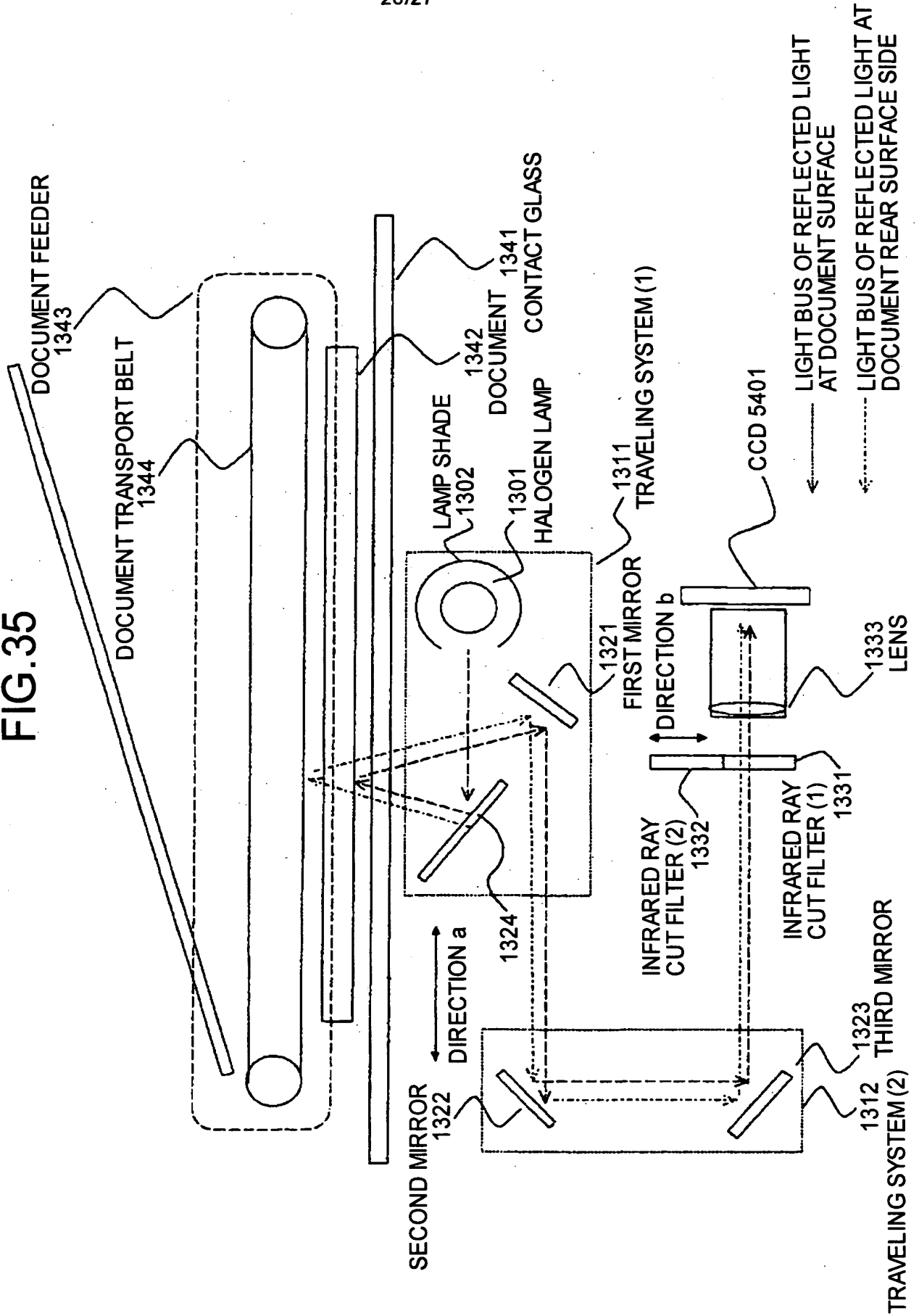


FIG. 34

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FIG. 35



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FIG.36

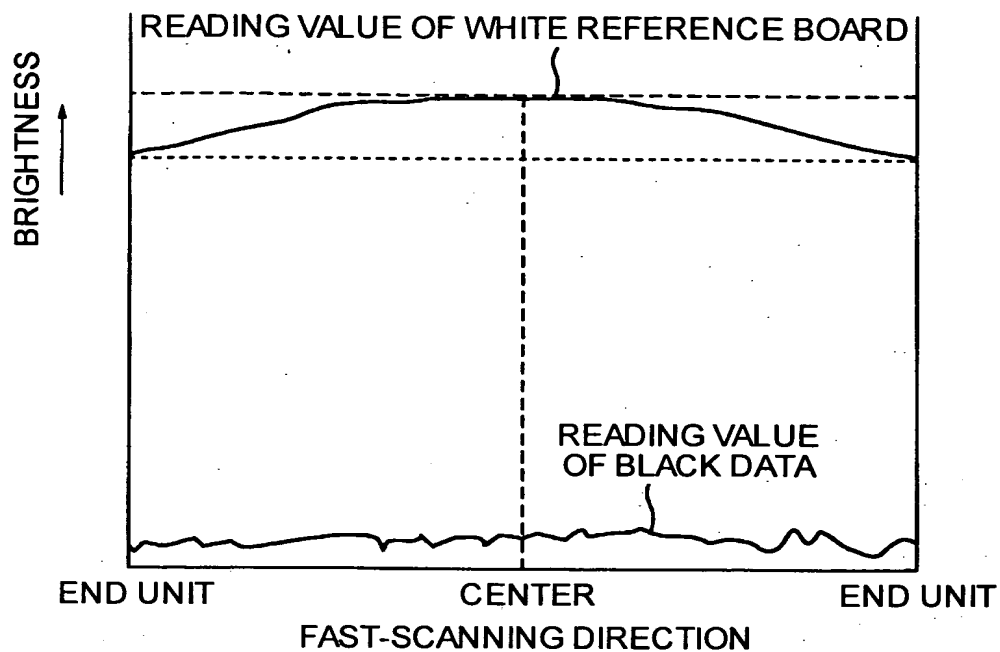


FIG.37

